

Waves:

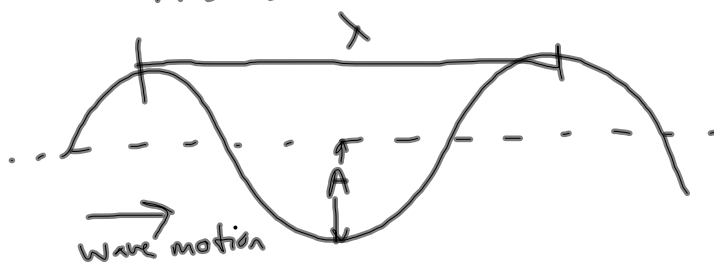
- Things we already know:
 - Oscillation
 - Period
 - Amplitude
 - Wavelength
 - Frequency
 - Longitudinal and transverse
 - Electromagnetic spectrum
 - Vibrations \rightarrow Sound

• Definitions:

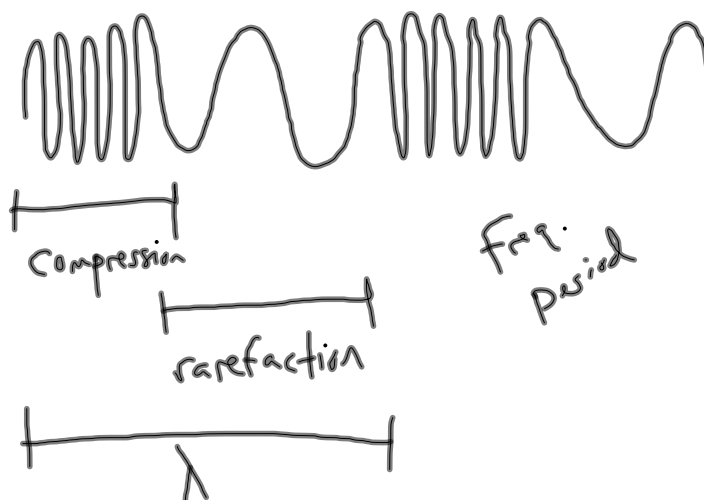
- Medium: Something that a wave "uses" to travel
 - exception: electromagnetic radiation

- Types of waves:

- Transverse freq., period



- Longitudinal

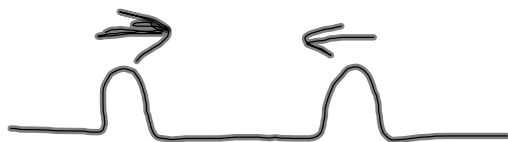


- Individual Pulses:

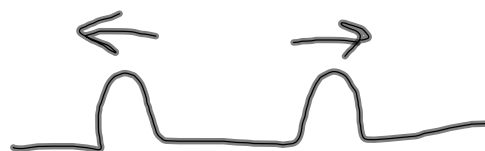
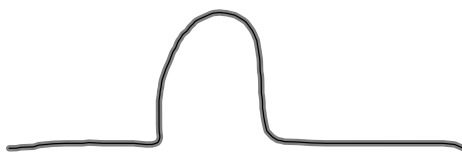


Interference:

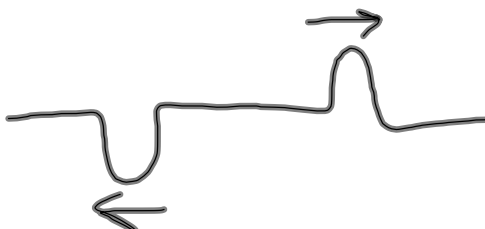
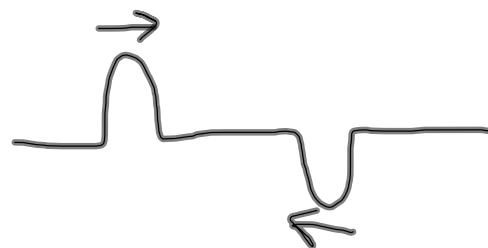
- Constructive:



assume same
width and
amplitude



- Destructive:



• Equation:

$$V = f \lambda$$

↳ wave speed ↳ frequency ↳ wavelength

Interference Practice:

